## WASHINGTON STATE BUILDING CODE COUNCIL APPLICATION FOR REVIEW OF A PROPOSED STATEWIDE AMENDMENT TO THE WASHINGTON STATE BUILDING CODE

2012 Code Adoption Cycle

Log # 14-E06 (office use only)

1. State Building Code to be Amended:	
[ ] International Building Code	[X] State Energy Code
[ ] International Existing Building Co	
[ ] ICC ANSI A117.1 Accessibility (	Code [ ] International Fuel Gas Code
[ ] International Residential Code	[ ] NFPA 54 National Fuel Gas Code
[ ] International Fire Code	[ ] NFPA 58 Liquefied Petroleum Gas Code
[ ] Uniform Plumbing Code	
Section <u>R406.2 Footnotes</u>	Page <u>RE-35</u>
2. Applicant Name (Specific local governm	nent, organization or individual):
Gary Nordeen, WSU Energy Program	<u></u>
gang Norder 5r. B.	Oldg. Science Spec.
Proponent	Title Date
4. Designated Contact Person:	
Gary Nordeen	Sr. Building Science Spec.
Name	Title
Address: 905 Plum St SE	
Olympia, WA 98504-3165	5
Office <b>Phone:</b> (360) 956-2040	Cell:()
E-Mail address: _nordeeng@energy.wsu.e	<u>edu</u>

throug order for an	Code Amendment. Reproducts all deleted language. Inset to continue the established number of more than one ponal pages may be attached.	rt any separate umbering syste page is needed t	new sections in the appropriate of the code. If more to for reproducing the affect	han one section is proposed ted section of the code,
Code	WSEC	Section _	R406.2 footnotes	Page <u>RE-35</u>
Amen	nd section to read as follows:			
heated envelor associated with ASME Associated with Exception: Exc	th this option.  Oucts complying with this section or buffer spaces of the dwindards:  Etion test: Leakage to outdoo en tested at a pressure difference is air handler enclosure. All the bing Fixtures Flow Ratings. It is showerheads) shall comply we ential bathroom lavatory sinks with ASME A112.18.1/CSA	etion may have velling. If this cors shall be less ential of 0.1 incregister boots show flow plum with the following faucets: Max A B125.1.	than or equal to 1 CFM: than or equal to 1 CFM: these w.g. (25 Pa) across that be taped or otherwise bing fixtures (water close ong requirements: imum flow rate - 3.8 L/n - 6.6 L/min (1.75 gal/min	ear feet of ducts located in the ts will be tested to the per 100 ft2 of conditioned he entire system, including the sealed during the test. ets and urinals) and fittings hin (1.0 gal/min) when tested n) when tested in accordance
Are additiona	al pages attached?	Yes	No X	

Log #	
<u> </u>	(office use only)

Supporting Data for Statewide Amendment Proposals This information is required for all statewide amendment proposals. <u>Attach supporting documentation</u>, as necessary; incomplete proposals will not be accepted.

The SBCC requires supporting data on any amendment proposal to show:

the use of this option increasing energy savings throughout the state.

- a. That it meets basic criteria See Part I to specify how this proposal meets the criteria for code amendment.
- b. The intended effect—See Part II to describe the purpose of the proposed amendment, including the benefits and the problems addressed.
- c. The potential impacts or benefits on business—See Part III/Types of Construction, to explain how methods in construction businesses, industries and services would be affected.
- d. The potential impact on enforcement procedures, See Part III/Types of Services Required, to provide some analysis of the impacts on code enforcement in local jurisdictions.
- e. Economic costs and benefits Use the Table in Part IV of this form to estimate the costs and benefits of the proposal on the construction industry, the user and/or public, the enforcement community, and operation and maintenance.

Part I 🌣 Background information on amend	dment.	
Code References: <u>WSEC</u> Title: <u>Washington Sta</u>	te Energy Code	
Related codes: Yes. WSEC 406.2 Option 4		(Does this amendment change other related codes?)
Proponent: Gary Nordeen	_ Phone: <u>360-956-2040</u> _	Date: February 3, 2014
NOTE: State-wide and emergency state-wide a please indicate the pertinent rationale for the pro (1) The amendment is needed to addres (2) The amendment is needed to addres (3) The amendment is needed for consi (4) The amendment is needed to addres (5) The amendment corrects errors and	oposed amendment by seless a critical life/safety needs a specific state policy or istency with state or federass a unique character of the	d. r statute. al regulations.
Part II		ed code amendment): de the conditioned space is addressed in the proposed code
<u>change to 406.2 (4)</u>		
PRIMARY REASON FOR AMENDMENT: (I	Describe how the amendm	ent meets one of the criteria listed above)
This amendment allows some flexibility for bu	nilders and HVAC installer	rs to obtain the credit for High Efficiency HVAC
Distribution System. In addition, duct testing we	ould not be required.	
TYPE OF BENEFITS PROJECTED:The	e allowance of a small amo	ount of ductwork in an unconditioned space will broaden

Part III  Amendment Impacts or Benefits:	
TYPES OF CONSTRUCTION: ✓ New Constructi	on
☑ Residential-Single Family ☐ Residential-M	ulti Family   Commercial Industrial
List businesses/industries affected by ame	ndment
Fire Protection Industry:	
Specific Construction Contractors & Trades:	
Construction Supply Industry:	
Specialty Trades:	Architects, building designers, HVAC installers
Types of Buildings:	
Manufacturers:	
Types of Services Required: List any reporting, record keeping or other required available from multiple sources. No additional se	ments. Indicate if equipment, material or services required by this proposal are rvices needed

## Part IV ❖ Amendment Costs and Benefits

	Construction <sup>1</sup>				Enforcement <sup>2</sup>		Operations & Maintenance <sup>3</sup>		ince <sup>3</sup>
Building Type	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>	Costs	% impact <sup>4</sup>	Benefits <sup>5</sup>
Residential	0			0			0		
Single family									
Multi-family									
Commercial/Retail									
Industrial									
Institutional									

<sup>&</sup>lt;sup>1</sup> \$ / square foot of floor area or other cost. Attach data. **Construction** costs are costs prior to occupancy, and include both design and direct construction costs that impact the total cost of the construction to theowner/consumer.

<sup>&</sup>lt;sup>2</sup> Cost per project plan. Attach data. **Enforcement** costs include governmental review of plans, field inspection, and other action required for enforcement.

<sup>&</sup>lt;sup>3</sup> Cost/benefits to building owner/tenants over the life of the project.

<sup>&</sup>lt;sup>4</sup> Cost differential over a specific size project or range of projects as determined by the proponent. Provide sufficient cost and benefit detail to clarify the impact to the Council. All data should be created and referenced to third party reputable sources for verification.

<sup>&</sup>lt;sup>5</sup> Include measurable benefit to the user and/or public from Part II.